

WHAT IS CLAIMED IS:

1. A foamable pharmaceutical composition comprising at least one corticosteroid active ingredient, a non-CFC propellant and an acceptable carrier configured to generate a quick-break foam, the composition being devoid of a buffering agent.

2. The foamable pharmaceutical composition of claim 1, wherein said carrier comprises at least one hydrocarbon alcohol, at least one fatty alcohol, at least one surface active agent and water.

3. The foamable pharmaceutical composition of claim 2, wherein said at least one hydrocarbon alcohol has from one to ten carbon atoms.

4. The foamable pharmaceutical composition of claim 2, wherein said at least one hydrocarbon alcohol has from one to six carbon atoms.

5. The foamable pharmaceutical composition of claim 2, wherein said at least one hydrocarbon alcohol is an aliphatic hydrocarbon alcohol.

6. The foamable pharmaceutical composition of claim 5, wherein said aliphatic hydrocarbon alcohol is selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, n-butanol, sec-butanol, isobutanol and t-butanol and mixtures thereof.

7. The foamable pharmaceutical composition of claim 2, wherein the concentration of said at least one hydrocarbon alcohol ranges between about 40 weight percentages and about 90 weight percentages of the total weight of the composition.

8. The foamable pharmaceutical composition of claim 2, wherein the concentration of said at least one hydrocarbon alcohol ranges between about 50

weight percentages and about 70 weight percentages of the total weight of the composition.

9. The foamable pharmaceutical composition of claim 2, wherein said at least one fatty alcohol has between 10 and 22 carbon atoms.

10. The foamable pharmaceutical composition of claim 9, wherein said at least one fatty alcohol is selected from the group consisting of cetyl alcohol, stearyl alcohol, lauryl alcohol, myristyl alcohol, palmityl alcohol and mixtures thereof.

11. The foamable pharmaceutical composition of claim 2, wherein the concentration of said at least one fatty alcohol ranges between about 0.1 weight percentage and about 20 weight percentages of the total weight of the composition.

12. The foamable pharmaceutical composition of claim 2, wherein the concentration of said at least one fatty alcohol ranges between about 0.5 weight percentage and about 10 weight percentages of the total weight of the composition.

13. The foamable pharmaceutical composition of claim 2, wherein the concentration of said water ranges between about 10 weight percentages and about 40 weight percentages of the total weight of the composition.

14. The foamable pharmaceutical composition of claim 2, wherein said at least one surface-active agent is selected from the group consisting of polysorbate 60, ethoxylated sorbitan stearate, ethoxylated sorbitan palmitate, ethoxylated sorbitan oleate, nonyl phenol ethoxylates, fatty alcohol ethoxylates and mixtures thereof.

15. The foamable pharmaceutical composition of claim 2, wherein the concentration of said at least one surface-active agent ranges between about 0.1 weight percentage and about 60 weight percentages of the total weight of the composition.

16. The foamable pharmaceutical composition of claim 2, wherein the concentration of said at least one surface-active agent ranges between about 0.2 weight percentage and about 15 weight percentages of the total weight of the composition.

17. The foamable pharmaceutical composition of claim 1, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 40 weight percentages of the total weight of the composition.

18. The foamable pharmaceutical composition of claim 1, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 20 weight percentages of the total weight of the composition.

19. The foamable pharmaceutical composition of claim 1, wherein said non-CFC propellant is selected from a group of propellants consisting of nitrous oxide, carbon dioxide, nitrogen, propane, iso-butane, n-butane, isopentane, n-pentane, dimethyl ether and any combination thereof.

20. The foamable pharmaceutical composition of claim 1, wherein said non-CFC propellant comprises a mixture of propane, n-butane and isobutane.

21. The foamable pharmaceutical composition of claim 1, further comprising at least one humectant.

22. The foamable pharmaceutical composition of claim 21, wherein said at least one humectant is selected from the group consisting of guanidine, urea, glycolic acid, glycolate salts, ammonium glycolate, quaternary alkyl ammonium glycolate, lactic acid, lactate salts, ammonium lactate, quaternary alkyl ammonium lactate, aloe vera, aloe vera gel, allantoin, urazole, polyhydroxy alcohol, sorbitol, glycerol, hexanetriol, propylene glycol, butylene glycol, hexylene glycol, a hexylene glycol derivative, polyethylene glycol, a sugar, a starch, a sugar derivative, a starch derivative, alkoxyated glucose, hyaluronic acid, lactamide monoethanolamine, acetamide monoethanolamine and any combination thereof.

23. The foamable pharmaceutical composition of claim 1, further comprising at least one pH-adjusting agent.

24. The foamable pharmaceutical composition of claim 23, wherein said at least one pH adjusting agent is selected from the group consisting of adipic acid, glycine, calcium hydroxide, magnesium aluminometasilicates, hydrochloric acid, and any combination thereof.

25. The foamable pharmaceutical composition of claim 23, wherein said at least one pH adjusting agent is selected from the group of acids consisting of citric acid, phosphoric acid, lactic acid, sorbic acid and tartaric acid.

26. The foamable pharmaceutical composition of claim 25, wherein said acid is the only source of a respective anion in the composition.

27. The foamable pharmaceutical composition of claim 1, wherein said at least one corticosteroid active ingredient is selected from the group consisting of alclometasone dipropionate, amcinonide, beclomethasone dipropionate, betamethasone benzoate, betamethasone dipropionate, betamethasone valerate, budesonide, clobetasol propionate, clobetasone butyrate, desonide, desoxymethasone, diflorasone diacetate, diflucortolone valerate, flumethasone pivalate, fluclorolone acetonide, fluocinolone acetonide, fluocinonide, fluocortin butyl, fluocortolone, fluprednidene acetate, flurandrenolone, fluticasone, halcinonide, hydrocortisone, hydrocortisone acetate, hydrocortisone butyrate, methylprednisolone acetate, mometasone furoate, triamcinolone acetonide, and any combination thereof.

28. The foamable pharmaceutical composition of claim 1, wherein said at least one corticosteroid active ingredient is selected from the group consisting of betamethasone valerate and clobetasol propionate.

29. The foamable pharmaceutical composition of claim 1, wherein the concentration of said at least one corticosteroid active ingredient ranges between

about 0.01 weight percentage and about 1 weight percentage of the total weight of the composition.

30. The foamable pharmaceutical composition of claim 1, wherein the concentration of said at least one corticosteroid active ingredient ranges between about 0.05 weight percentage and about 0.2 weight percentage of the total weight of the composition.

31. The foamable pharmaceutical composition of claim 1, having a pH of between about 4.0 and about 7.0.

32. The foamable pharmaceutical composition of claim 1, packaged in a packaging material and identified in print, in or on said packaging material, for use for a need selected from the group consisting of curing a condition, treating a condition, preventing a condition, treating symptoms of a condition, curing symptoms of a condition, ameliorating symptoms of a condition, treating effects of a condition, ameliorating effects of a condition, and preventing results of a condition.

33. The foamable pharmaceutical composition of claim 32, wherein said condition is selected from the group consisting of acute inflammatory diseases, allergic contact dermatitis, eczema, atopic eczema, asteatotic eczema, discoid eczema, infantile eczema and napkin dermatitis, psoriasis – plaque, seborrheic dermatitis, atopic dermatitis, dermatitis herpetiformis, neurodermatitis, lichen simplex chronicus, lichen planus, subacute cutaneous lupus erythematosus, papular urticaria, palmoplantar psoriasis, discoid lupus erythematosus, chronic hypertrophic lichen planus, granuloma annulare and keloid scars.

34. The foamable pharmaceutical composition of claim 2, where said carrier comprises ethanol, cetyl alcohol, stearyl alcohol, polysorbate 60 and water.

35. The foamable pharmaceutical composition of claim 34, wherein the concentration of said ethanol ranges between about 40 weight percentages and about 90 weight percentages of the composition, the concentration of said cetyl alcohol

ranges between about 0.1 and about 20 weight percentages of the composition, the concentration of said stearyl alcohol ranges between about 0.1 and about 20 weight percentages of the composition, the concentration of said polysorbate 60 ranges between about 0.1 and about 60 weight percentages of the composition and the concentration of said water ranges between about 10 and about 40 weight percentages of the composition.

36. The foamable pharmaceutical composition of claim 34, wherein the concentration of said ethanol ranges between about 50 weight percentages and about 70 weight percentages of the composition, the concentration of said cetyl alcohol ranges between about 0.5 and about 10 weight percentages of the composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 10 weight percentages of the composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 15 weight percentages of the composition and the concentration of said water ranges between about 10 and about 40 weight percentages of the composition.

37. The foamable pharmaceutical composition of claim 34, wherein said non-CFC propellant comprises a mixture of propane, n-butane and isobutane.

38. The foamable pharmaceutical composition of claim 37, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 40 weight percentages of the total weight of the composition.

39. The foamable pharmaceutical composition of claim 34, wherein said at least one corticosteroid active ingredient is selected from the group consisting of clobetasol propionate and betamethasone valerate.

40. The foamable pharmaceutical composition of claim 39, wherein the concentration of said at least one corticosteroid active ingredient ranges between about 0.01 weight percentage and about 1 weight percentage of the total weight of the composition.

41. The foamable pharmaceutical composition of claim 36, wherein the concentration of said ethanol ranges between about 56 weight percentages and about 65 weight percentages of the composition, the concentration of said cetyl alcohol ranges between about 0.9 and about 1.3 weight percentages of the composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 0.6 weight percentage of the composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 0.6 weight percentage of the composition and the concentration of said water ranges between about 31 and about 36 weight percentages of the composition and further comprising propylene glycol in a concentration of between about 1 and about 3 weight percentages of the composition, propane/butane/isobutene as a non-CFC propellant in a concentration of between about 4 and about 5 weight percentages of the composition, and clobetasol propionate in a concentration of between about 0.01 and about 0.1 weight percentage of the composition, the composition having a pH of about 6.5.

42. The foamable pharmaceutical composition of claim 36, wherein the concentration of said ethanol ranges between about 56 weight percentages and about 65 weight percentages of the composition, the concentration of said cetyl alcohol ranges between about 0.9 and about 1.3 weight percentages of the composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 0.6 weight percentage of the composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 0.6 weight percentage of the composition and the concentration of said water ranges between about 31 and about 36 weight percentages of the composition and further comprising propylene glycol in a concentration of between about 1 and about 3 weight percentages of the composition, propane/butane/isobutane as a non-CFC propellant in a concentration of between about 4 and about 5 weight percentages of the composition, and clobetasol propionate in a concentration of between about 0.01 and about 0.1 weight percentage of the composition and lactic acid, whereby the concentration of said lactic acid is sufficient for adjusting the pH of the composition to between about 5.9 and about 6.1.

43. A method of treatment comprising administering a therapeutically effective amount of a foamable pharmaceutical composition of claim 1 to a mammal in need thereof.

44. The method of claim 43, wherein said mammal is a human.

45. The method of claim 43, wherein said administering is effected topically.

46. The method of claim 45, wherein said administering comprises:
passing said composition from a first volume having a first pressure through a passage into a volume having a second pressure so as to effect foaming of said composition,
wherein said first pressure is greater than said second pressure.

47. The method of claim 46, further comprising applying said foamable composition onto a surface.

48. The method of claim 47, wherein said surface is skin.

49. The method of claim 43, wherein said need arises from a medical condition selected from the group consisting of acute inflammatory diseases, allergic contact dermatitis, eczema, atopic eczema, asteatotic eczema, discoid eczema, infantile eczema and napkin dermatitis, psoriasis – plaque, seborrheic dermatitis, atopic dermatitis, dermatitis herpetiformis, neurodermatitis, lichen simplex chronicus, lichen planus, subacute cutaneous lupus erythematosus, papular urticaria, palmoplantar psoriasis, discoid lupus erythematosus, chronic hypertrophic lichen planus, granuloma annulare and keloid scars.

50. The method of claim 43, wherein said need is selected from the group consisting of curing said condition, treating said condition, preventing said condition, treating symptoms of said condition, curing symptoms of said condition, ameliorating

symptoms of said condition, treating effects of said condition, ameliorating effects of said condition, and preventing results of said condition.

51. The method of claim 43, wherein said at least one corticosteroid active ingredient is selected from the group consisting of alclometasone dipropionate, amcinonide, beclomethasone dipropionate, betamethasone benzoate, betamethasone dipropionate, betamethasone valerate, budesonide, clobetasol propionate, clobetasone butyrate, desonide, desoxymethasone, diflorasone diacetate, difluocortolone valerate, flumethasone pivalate, fluclorolone acetonide, fluocinolone acetonide, fluocinonide, fluocortin butyl, fluocortolone, fluprednidene acetate, flurandrenolone, fluticasone, halcinonide, hydrocortisone, hydrocortisone acetate, hydrocortisone butyrate, methylprednisolone acetate, mometasone furoate, triamcinolone acetonide, and mixtures thereof.

52. The method of claim 43, wherein said at least one corticosteroid active ingredient is selected from the group consisting of betamethasone valerate and clobetasol propionate.

53. The method of claim 43, wherein said carrier comprises at least one hydrocarbon alcohol, at least one fatty alcohol, at least one surface active agent and water.

54. The method of claim 53, wherein said at least one hydrocarbon alcohol has from one to ten carbon atoms.

55. The method of claim 53, wherein said at least one hydrocarbon alcohol has from one to six carbon atoms.

56. The method of claim 53, wherein said at least one hydrocarbon alcohol is an aliphatic hydrocarbon alcohol.

57. The method of claim 53, wherein said aliphatic hydrocarbon alcohol is selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, n-butanol, sec-butanol, isobutanol and t-butanol and mixtures thereof.

58. The method of claim 53, wherein the concentration of said at least one hydrocarbon alcohol ranges between about 40 weight percentages and about 90 weight percentages of the total weight of said composition.

59. The method of claim 53, wherein the concentration of said at least one hydrocarbon alcohol ranges between about 50 weight percentages and about 70 weight percentages of the total weight of said composition.

60. The method of claim 53, wherein said at least one fatty alcohol has between 10 and 22 carbon atoms.

61. The method of claim 60, wherein said at least one fatty alcohol is selected from the group consisting of cetyl alcohol, stearyl alcohol, lauryl alcohol, myristyl alcohol, palmityl alcohol and mixtures thereof.

62. The method of claim 53, wherein the concentration of said at least one fatty alcohol ranges between about 0.1 weight percentage and about 20 weight percentages of the total weight of said composition.

63. The method of claim 53, wherein the concentration of said water ranges between about 0.5 weight percentage and about 10 weight percentages of the total weight of said composition.

64. The method of claim 53, wherein the concentration of said water ranges between about 10 weight percentages and about 40 weight percentages of the total weight of said composition.

65. The method of claim 53, wherein said at least one surface-active agent is selected from the group consisting of polysorbate 60, ethoxylated sorbitan stearate,

ethoxylated sorbitan palmitate, ethoxylated sorbitan oleate, nonyl phenol ethoxylates, fatty alcohol ethoxylates and mixtures thereof.

66. The method of claim 53, wherein the concentration of said at least one surface-active agent ranges between about 0.1 weight percentage and about 60 weight percentages of the total weight of said composition.

67. The method of claim 53, wherein the concentration of said at least one surface-active agent ranges between about 0.2 weight percentage and about 15 weight percentages of the total weight of said composition.

68. The method of claim 43, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 40 weight percentages of the total weight of said composition.

69. The method of claim 43, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 20 weight percentages of the total weight of said composition.

70. The method of claim 43, wherein said non-CFC propellant is selected from a group of propellants consisting of nitrous oxide, carbon dioxide, nitrogen, propane, iso-butane, n-butane, isopentane, n-pentane, dimethyl ether and any combination thereof.

71. The method of claim 43, wherein said non-CFC propellant comprises a mixture of propane, n-butane and isobutane.

72. The method of claim 43, wherein said foamable pharmaceutical composition further comprises at least one humectant.

73. The method of claim 72, wherein said at least one humectant is selected from the group consisting of guanidine, urea, glycolic acid, glycolate salts, ammonium glycolate, quaternary alkyl ammonium glycolate, lactic acid, lactate salts,

ammonium lactate, quaternary alkyl ammonium lactate, aloe vera, aloe vera gel, allantoin, urazole, polyhydroxy alcohol, sorbitol, glycerol, hexanetriol, propylene glycol, butylene glycol, hexylene glycol, a hexylene glycol derivative, polyethylene glycol, a sugar, a starch, a sugar derivative, a starch derivative, alkoxylated glucose, hyaluronic acid, lactamide monoethanolamine, acetamide monoethanolamine and any combination thereof.

74. The method of claim 43, wherein said foamable pharmaceutical composition further comprises at least one pH-adjusting agent.

75. The method of claim 74, wherein said at least one pH adjusting agent is selected from the group consisting of adipic acid, glycine, calcium hydroxide, magnesium aluminometasilicates, hydrochloric acid, and any combination thereof.

76. The method of claim 74, wherein said at least one pH adjusting agent is selected from the group of acids consisting of citric acid, phosphoric acid, lactic acid, sorbic acid and tartaric acid.

77. The method of claim 76, wherein said acid is the only source of a respective anion in said composition.

78. The method of claim 43, wherein the concentration of said at least one corticosteroid active ingredient ranges between about 0.01 weight percentage and about 1 weight percentage of the total weight of said composition.

79. The method of claim 43, wherein the concentration of said at least one corticosteroid active ingredient of said carrier ranges between about 0.05 weight percentage and about 0.2 weight percentage of the total weight of said composition.

80. The method of claim 53, wherein said carrier has a pH of between about 4.0 and about 7.0.

81. The method of claim 53, wherein said carrier comprises ethanol, cetyl alcohol, stearyl alcohol, polysorbate 60 and water.

82. The method of claim 81, wherein said ethanol ranges in a concentration of between about 40 weight percentages and about 90 weight percentages of said composition, said cetyl alcohol ranges in a concentration of between about 0.1 and about 20 weight percentages of said composition, said stearyl alcohol ranges in a composition of between about 0.1 and about 20 weight percentages of said composition, said polysorbate 60 ranges in a concentration of between about 0.1 and about 60 weight percentages of said composition and said water ranges in a concentration of between about 10 and about 40 weight percentages of said composition.

83. The method of claim 81, wherein said ethanol ranges in a concentration of between about 50 weight percentages and about 70 weight percentages of said composition, said cetyl alcohol ranges in a concentration of between about 0.5 and about 10 weight percentages of said composition, said stearyl alcohol ranges in a composition of between about 0.4 and about 10 weight percentages of said composition, said polysorbate 60 ranges in a concentration of between about 0.2 and about 15 weight percentages of said composition and said water ranges in a concentration of between about 10 and about 40 weight percentages of said composition.

84. The method of claim 81, wherein said non-CFC propellant comprises a mixture of propane, n-butane and isobutane.

85. The method of claim 84, wherein said the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 40 weight percentages of the total weight of said composition.

86. The method of claim 81, wherein said at least one corticosteroid active ingredient is selected from the group consisting of clobetasol propionate and betamethasone valerate.

87. The method of claim 86, wherein the concentration of said at least one corticosteroid active ingredient ranges between about 0.01 weight percentage and about 1 weight percentage of the total weight of said composition.

88. The method of claim 83, wherein the concentration of said ethanol ranges between about 56 weight percentages and about 65 weight percentages of said composition, the concentration of said cetyl alcohol ranges between about 0.9 and about 1.3 weight percentages of said composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 0.6 weight percentage of said composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 0.6 weight percentage of said composition and the concentration of said water ranges between about 31 and about 36 weight percentages of said composition and further comprising propylene glycol in a concentration of between about 1 and about 3 weight percentages of said composition, propane/butane/isobutene as a non-CFC propellant in a concentration of between about 4 and about 5 weight percentages of said composition, and clobetasol propionate in a concentration of between about 0.01 and about 0.1 weight percentage of said composition, the composition having pH of about 6.5.

89. The method of claim 83, wherein the concentration of said ethanol ranges between about 56 weight percentages and about 65 weight percentages of said composition, the concentration of said cetyl alcohol ranges between about 0.9 and about 1.3 weight percentages of said composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 0.6 weight percentage of said composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 0.6 weight percentage of said composition and the concentration of said water ranges between about 31 and about 36 weight percentages of said composition and further comprising propylene glycol in a concentration of between about 1 and about 3 weight percentages of said composition, propane/butane/isobutane as a non-CFC propellant in a concentration of between about 4 and about 5 weight percentages of said composition, and clobetasol propionate in a concentration of between about 0.01 and about 0.1 weight percentage of said composition and lactic acid, whereby the

concentration of said lactic acid is sufficient for adjusting the pH of said composition to between about 5.9 and about 6.1.

90. A process of preparing a foamable composition of claim 1, the process comprising:

obtaining said carrier by mixing at least one hydrocarbon alcohol, at least one fatty alcohol, at least one surface active agent, and water;

placing said carrier in a pressure-resistant vessel;

placing an amount of at least one non-CFC propellant into said pressure-resistant vessel; and

sealing said pressure-resistant vessel.

91. The process of claim 90, further comprising, prior to said placing: admixing with said carrier said corticosteroid active ingredient.

92. The process of claim 90, further comprising, prior to said placing: admixing with said carrier at least one humectant.

93. The process of claim 92, where said at least one humectant is selected from the group consisting of guanidine, urea, glycolic acid, glycolate salts, ammonium glycolate, quaternary alkyl ammonium glycolate, lactic acid, lactate salts, ammonium lactate, quaternary alkyl ammonium lactate, aloe vera, aloe vera gel, allantoin, urazole, polyhydroxy alcohol, sorbitol, glycerol, hexanetriol, propylene glycol, butylene glycol, hexylene glycol, a hexylene glycol derivative, polyethylene glycol, a sugar, a starch, a sugar derivative, a starch derivative, alkoxylated glucose, hyaluronic acid, lactamide monoethanolamine, acetamide monoethanolamine and any combination thereof.

94. The process of claim 90, wherein said obtaining includes heating a mixture of said at least one hydrocarbon alcohol, said at least one fatty alcohol, said at least one surface active agent and said water, at a temperature of at least 30 °C.

95. The process of claim 90, wherein said obtaining includes heating a mixture of said at least one hydrocarbon alcohol, said at least one fatty alcohol, said at least one surface active agent and said water, at a temperature of at least 40 °C.

96. The process of claim 90, wherein said at least one hydrocarbon alcohol comprises at least one aliphatic alcohol having from 1 to 6 carbon atoms.

97. The process of claim 96, wherein said at least one aliphatic alcohol is selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, n-butanol, sec-butanol, isobutanol and t-butanol and mixtures thereof.

98. The process of claim 90, wherein said at least one fatty alcohol has between 10 and 22 carbon atoms.

99. The process of claim 98, wherein said at least one fatty alcohol is selected from the group consisting of cetyl alcohol, stearyl alcohol, lauryl alcohol, myristyl alcohol, palmityl alcohol and mixtures thereof.

100. The process of claim 90, wherein said at least one surface-active agent is selected from the group consisting of polysorbate 60, ethoxylated sorbitan stearate, ethoxylated sorbitan palmitate, ethoxylated sorbitan oleate, nonyl phenol ethoxylates, fatty alcohol ethoxylates and mixtures thereof.

101. The process of claim 90, wherein said non-CFC propellant is selected from a group of propellants consisting of nitrous oxide, carbon dioxide, nitrogen, propane, iso-butane, n-butane, isopentane, n-pentane, dimethyl ether and mixtures thereof.

102. The process of claim 90, wherein said obtaining comprises:
mixing said water, said at least one fatty alcohol and said at least one surface active agent, so as to obtain a clear aqueous solution; and
adding said at least one hydrocarbon alcohol to said aqueous solution, to thereby obtain said carrier.

103. The process of claim 102, wherein said mixing further includes heating said aqueous solution at a temperature of at least about 40 °C.

104. The process of claim 102, wherein said mixing further includes heating said aqueous solution at a temperature of at least about 60 °C.

105. The process of claim 102, wherein said adding is performed while heating said aqueous solution at a temperature of at least about 30 °C.

106. The process of claim 102, wherein said adding is performed while heating said aqueous solution at a temperature of at least about 39 °C.

107. The process of claim 90, wherein said obtaining comprises:
mixing said hydrocarbon alcohol, said at least one fatty alcohol and said at least one surface active agent, so as to obtain a clear alcoholic solution; and
adding said water to said alcoholic solution, to thereby obtain said carrier.

108. The process of claim 107, wherein said adding is performed while heating said alcoholic solution at a temperature of at least about 30°C.

109. The process of claim 107, said adding is performed while heating said alcoholic solution at a temperature of at least about 40°C.

110. A foamable composition comprising a non-CFC propellant and a carrier configured to generate a quick-break foam, the composition being devoid of a buffering agent.

111. The foamable composition of claim 110, further comprising at least one pharmaceutically active ingredient.

112. The foamable composition of claim 111, wherein said at least one pharmaceutical active ingredient is a pH sensitive pharmaceutical active ingredient.

113. The foamable composition of claim 112, wherein said at least one pharmaceutically active ingredient is selected from the group consisting of corticosteroids and non-steroidal anti-inflammatory drugs.

114. The foamable composition of claim 110, wherein said carrier comprises at least one hydrocarbon alcohol, at least one fatty alcohol, at least one surface active agent and water.

115. The foamable composition of claim 114, wherein said at least one hydrocarbon alcohol has from one to ten carbon atoms.

116. The foamable composition of claim 114, wherein said at least one hydrocarbon alcohol has from one to six carbon atoms.

117. The foamable composition of claim 114, wherein said at least one hydrocarbon alcohol is an aliphatic hydrocarbon alcohol.

118. The foamable composition of claim 117, wherein said aliphatic hydrocarbon alcohol is selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, n-butanol, sec-butanol, isobutanol and t-butanol and mixtures thereof.

119. The foamable composition of claim 114, wherein the concentration of said at least one hydrocarbon alcohol ranges between about 40 weight percentages and about 90 weight percentages of the total weight of the composition.

120. The foamable composition of claim 114, wherein the concentration of said at least one hydrocarbon alcohol ranges between about 50 weight percentages and about 70 weight percentages of the total weight of the composition.

121. The foamable composition of claim 114, wherein said at least one fatty alcohol has between 10 and 22 carbon atoms.

122. The foamable composition of claim 121, wherein said at least one fatty alcohol is selected from the group consisting of cetyl alcohol, stearyl alcohol, lauryl alcohol, myristyl alcohol, palmityl alcohol and mixtures thereof.

123. The foamable composition of claim 114, wherein the concentration of said at least one fatty alcohol ranges between about 0.1 weight percentage and about 20 weight percentages of the total weight of the composition.

124. The foamable composition of claim 114, wherein the concentration of said at least one fatty alcohol ranges between about 0.5 weight percentage and about 10 weight percentages of the total weight of the composition.

125. The foamable composition of claim 114, wherein the concentration of said water ranges between about 10 weight percentages and about 40 weight percentages of the total weight of the composition.

126. The foamable composition of claim 114, wherein said at least one surface-active agent is selected from the group consisting of polysorbate 60, ethoxylated sorbitan stearate, ethoxylated sorbitan palmitate, ethoxylated sorbitan oleate, nonyl phenol ethoxylates, fatty alcohol ethoxylates and mixtures thereof.

127. The foamable composition of claim 114, wherein the concentration of said at least one surface-active agent ranges between about 0.1 weight percentage and about 60 weight percentages of the total weight of the composition.

128. The foamable composition of claim 114, wherein the concentration of said at least one surface-active agent ranges between about 0.2 weight percentage and about 15 weight percentages of the total weight of the composition.

129. The foamable composition of claim 110, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 40 weight percentages of the total weight of the composition.

130. The foamable composition of claim 110, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 20 weight percentages of the total weight of the composition.

131. The foamable composition of claim 110, wherein said non-CFC propellant is selected from a group of propellants consisting of nitrous oxide, carbon dioxide, nitrogen, propane, iso-butane, n-butane, isopentane, n-pentane, dimethyl ether and any combination thereof.

132. The foamable composition of claim 110, wherein said non-CFC propellant comprises a mixture of propane, n-butane and isobutane.

133. The foamable composition of claim 110, further comprising at least one humectant.

134. The foamable composition of claim 133, wherein said at least one humectant is selected from the group consisting of guanidine, urea, glycolic acid, glycolate salts, ammonium glycolate, quaternary alkyl ammonium glycolate, lactic acid, lactate salts, ammonium lactate, quaternary alkyl ammonium lactate, aloe vera, aloe vera gel, allantoin, urazole, polyhydroxy alcohol, sorbitol, glycerol, hexanetriol, propylene glycol, butylene glycol, hexylene glycol, a hexylene glycol derivative, polyethylene glycol, a sugar, a starch, a sugar derivative, a starch derivative, alkoxylated glucose, hyaluronic acid, lactamide monoethanolamine, acetamide monoethanolamine and any combination thereof.

135. The foamable composition of claim 110, further comprising at least one pH adjusting agent.

136. The foamable composition of claim 135, wherein said at least one pH adjusting agent is selected from the group consisting of adipic acid, glycine, calcium hydroxide, magnesium aluminometasilicates, hydrochloric acid, and any combination thereof.

137. The foamable composition of claim 135, wherein said at least one pH adjusting agent is selected from the group of acids consisting of citric acid, phosphoric acid, lactic acid, sorbic acid and tartaric acid.

138. The foamable pharmaceutical composition of claim 137, wherein said acid is the only source of a respective anion in the composition.

139. The foamable composition of claim 110, having a pH of between about 4.0 and about 7.0.

140. The foamable composition of claim 110, packaged in a packaging material and identified in print, in or on said packaging material, for use for a need selected from the group consisting of curing a condition, treating a condition, preventing a condition, treating symptoms of a condition, curing symptoms of a condition, ameliorating symptoms of a condition, treating effects of a condition, ameliorating effects of a condition, and preventing results of a condition.

141. The foamable composition of claim 114, where said carrier comprises ethanol, cetyl alcohol, stearyl alcohol, polysorbate 60 and water.

142. The foamable composition of claim 141, wherein the concentration of said ethanol ranges between about 40 weight percentages and about 90 weight percentages of the composition, the concentration of said cetyl alcohol ranges between about 0.1 and about 20 weight percentages of the composition, the concentration of said stearyl alcohol ranges between about 0.1 and about 20 weight percentages of the composition, the concentration of said polysorbate 60 ranges between about 0.1 and about 60 weight percentages of the composition and the concentration of said water ranges between about 10 and about 40 weight percentages of the composition.

143. The foamable composition of claim 141, wherein the concentration of said ethanol ranges between about 50 weight percentages and about 70 weight percentages of the composition, the concentration of said cetyl alcohol ranges

between about 0.1 and about 10 weight percentages of the composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 10 weight percentages of the composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 15 weight percentages of the composition and the concentration of said water ranges between about 10 and about 40 weight percentages of the composition.

144. The foamable composition of claim 141, wherein said non-CFC propellant comprises a mixture of propane, n-butane and isobutane.

145. The foamable composition of claim 144, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 40 weight percentages of the total weight of the composition.

146. The foamable composition of claim 143, wherein the concentration of said ethanol ranges between about 56 weight percentages and about 65 weight percentages of the composition, the concentration of said cetyl alcohol ranges between about 0.9 and about 1.3 weight percentages of the composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 0.6 weight percentage of the composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 0.6 weight percentage of the composition and the concentration of said water ranges between about 31 and about 36 weight percentages of the composition and further comprising propylene glycol in a concentration of between about 1 and about 3 weight percentages of the composition, propane/butane/isobutene as a non-CFC propellant in a concentration of between about 4 and about 5 weight percentages of the composition, the composition having pH of about 6.5.

147. The foamable composition of claim 143, wherein the concentration of said ethanol ranges between about 56 weight percentages and about 65 weight percentages of the composition, the concentration of said cetyl alcohol ranges between about 0.9 and about 1.3 weight percentages of the composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 0.6 weight

percentage of the composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 0.6 weight percentage of the composition and the concentration of said water ranges between about 31 and about 36 weight percentages of the composition and further comprising propylene glycol in a concentration of between about 1 and about 3 weight percentages of the composition, propane/butane/isobutane as a non-CFC propellant in a concentration of between about 4 and about 5 weight percentages of the composition and lactic acid, whereby the concentration of said lactic acid is sufficient for adjusting the pH of the composition to between about 5.9 and about 6.1.

148. A method of treatment comprising administering an amount of a foamable composition of claim 111 to a mammal in need thereof.

149. The method of claim 148, wherein said mammal is a human.

150. The method of claim 148, wherein said administering is effected topically.

151. The method of claim 150, wherein said administering comprises:
passing said composition from a first volume having a first pressure through a passage into a volume having a second pressure so as to effect foaming of said composition,
wherein said first pressure is greater than said second pressure.

152. The method of claim 151, further comprising applying said foamable composition onto a surface.

153. The method of claim 152, wherein said surface is skin.

154. The method of claim 112, wherein said at least one pharmaceutically active ingredient is a corticosteroid and said need arises from a medical condition selected from the group consisting of acute inflammatory diseases, allergic contact dermatitis, eczema, atopic eczema, asteatotic eczema, discoid eczema, infantile

eczema and napkin dermatitis, psoriasis – plaque, seborrheic dermatitis, atopic dermatitis, dermatitis herpetiformis, neurodermatitis, lichen simplex chronicus, lichen planus, subacute cutaneous lupus erythematosus, papular urticaria, palmoplantar psoriasis, discoid lupus erythematosus, chronic hypertrophic lichen planus, granuloma annulare and keloid scars.

155. The method of claim 148, wherein said need is selected from the group consisting of curing said condition, treating said condition, preventing said condition, treating symptoms of said condition, curing symptoms of said condition, ameliorating symptoms of said condition, treating effects of said condition, ameliorating effects of said condition, and preventing results of said condition.

156. The method of claim 148, wherein said carrier comprises at least one hydrocarbon alcohol, at least one fatty alcohol, at least one surface active agent and water.

157. The method of claim 156, wherein said at least one hydrocarbon alcohol has from one to ten carbon atoms.

158. The method of claim 156, wherein said at least one hydrocarbon alcohol has from one to six carbon atoms.

159. The method of claim 156, wherein said at least one hydrocarbon alcohol is an aliphatic hydrocarbon alcohol.

160. The method of claim 156, wherein said aliphatic hydrocarbon alcohol is selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, n-butanol, sec-butanol, isobutanol and t-butanol and mixtures thereof.

161. The method of claim 156, wherein the concentration of said at least one hydrocarbon alcohol ranges between about 40 weight percentages and about 90 weight percentages of the total weight of said composition.

162. The method of claim 156, wherein the concentration of said at least one hydrocarbon alcohol ranges between about 50 weight percentages and about 70 weight percentages of the total weight of said composition.

163. The method of claim 156, wherein said at least one fatty alcohol has between 10 and 22 carbon atoms.

164. The method of claim 163, wherein said at least one fatty alcohol is selected from the group consisting of cetyl alcohol, stearyl alcohol, lauryl alcohol, myristyl alcohol, palmityl alcohol and mixtures thereof.

165. The method of claim 156, wherein the concentration of said at least one fatty alcohol ranges between about 0.1 weight percentage and about 20 weight percentages of the total weight of said composition.

166. The method of claim 156, wherein the concentration of said water ranges between about 0.5 weight percentage and about 10 weight percentages of the total weight of said composition.

167. The method of claim 156, wherein the concentration of said water ranges between about 10 weight percentages and about 40 weight percentages of the total weight of said composition.

168. The method of claim 156, wherein said at least one surface-active agent is selected from the group consisting of polysorbate 60, ethoxylated sorbitan stearate, ethoxylated sorbitan palmitate, ethoxylated sorbitan oleate, nonyl phenol ethoxylates, fatty alcohol ethoxylates and mixtures thereof.

169. The method of claim 156, wherein the concentration of said at least one surface-active agent ranges between about 0.1 weight percentage and about 60 weight percentages of the total weight of said composition.

170. The method of claim 156, wherein the concentration of said at least one surface-active agent ranges between about 0.2 weight percentage and about 15 weight percentages of the total weight of said composition.

171. The method of claim 148, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 40 weight percentages of the total weight of said composition.

172. The method of claim 148, wherein the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 20 weight percentages of the total weight of said composition.

173. The method of claim 148, wherein said non-CFC propellant is selected from a group of propellants consisting of nitrous oxide, carbon dioxide, nitrogen, propane, iso-butane, n-butane, isopentane, n-pentane, dimethyl ether and any combination thereof.

174. The method of claim 148, wherein said non-CFC propellant comprises a mixture of propane, n-butane and isobutane.

175. The method of claim 148, wherein said foamable composition further comprises at least one humectant.

176. The method of claim 175, wherein said at least one humectant is selected from the group consisting of guanidine, urea, glycolic acid, glycolate salts, ammonium glycolate, quaternary alkyl ammonium glycolate, lactic acid, lactate salts, ammonium lactate, quaternary alkyl ammonium lactate, aloe vera, aloe vera gel, allantoin, urazole, polyhydroxy alcohol, sorbitol, glycerol, hexanetriol, propylene glycol, butylene glycol, hexylene glycol, a hexylene glycol derivative, polyethylene glycol, a sugar, a starch, a sugar derivative, a starch derivative, alkoxylated glucose, hyaluronic acid, lactamide monoethanolamine, acetamide monoethanolamine and any combination thereof.

177. The method of claim 148, wherein said foamable composition further comprises at least one pH-adjusting agent.

178. The method of claim 177, wherein said at least one pH adjusting agent is selected from the group consisting of adipic acid, glycine, calcium hydroxide, magnesium aluminometasilicates, hydrochloric acid, and any combination thereof.

179. The method of claim 177, wherein said at least one pH adjusting agent is selected from the group of acids consisting of citric acid, phosphoric acid, lactic acid, sorbic acid and tartaric acid.

180. The method of claim 179, wherein said acid is the only source of a respective anion in said composition.

181. The method of claim 156, wherein said carrier has a pH of between about 4.0 and about 7.0.

182. The method of claim 156, wherein said carrier comprises ethanol, cetyl alcohol, stearyl alcohol, polysorbate 60 and water.

183. The method of claim 182, wherein said ethanol ranges in a concentration of between about 40 weight percentages and about 90 weight percentages of said composition, said cetyl alcohol ranges in a concentration of between about 0.1 and about 20 weight percentages of said composition, said stearyl alcohol ranges in a composition of between about 0.1 and about 20 weight percentages of said composition, said polysorbate 60 ranges in a concentration of between about 0.1 and about 60 weight percentages of said composition and said water ranges in a concentration of between about 10 and about 40 weight percentages of said composition.

184. The method of claim 182 wherein said ethanol ranges in a concentration of between about 50 weight percentages and about 70 weight percentages of said composition, said cetyl alcohol ranges in a concentration of

between about 0.5 and about 10 weight percentages of said composition, said stearyl alcohol ranges in a composition of between about 0.4 and about 10 weight percentages of said composition, said polysorbate 60 ranges in a concentration of between about 0.2 and about 15 weight percentages of said composition and said water ranges in a concentration of between about 10 and about 40 weight percentages of said composition.

185. The method of claim 182, wherein said non-CFC propellant comprises a mixture of propane, n-butane and isobutane.

186. The method of claim 185, wherein said the concentration of said non-CFC propellant ranges between about 1 weight percentage and about 40 weight percentages of the total weight of said composition.

187. The method of claim 184, wherein the concentration of said ethanol ranges between about 56 weight percentages and about 65 weight percentages of said composition, the concentration of said cetyl alcohol ranges between about 0.9 and about 1.3 weight percentages of said composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 0.6 weight percentage of said composition, the concentration of said polysorbate 60 ranges between about 0.2 and about 0.6 weight percentage of said composition and the concentration of said water ranges between about 31 and about 36 weight percentages of said composition and further comprising propylene glycol in a concentration of between about 1 and about 3 weight percentages of said composition, propane/butane/isobutane as a non-CFC propellant in a concentration of between about 4 and about 5 weight percentages of said composition, the composition having pH of about 6.5.

188. The method of claim 184, wherein the concentration of said ethanol ranges between about 56 weight percentages and about 60 weight percentages of said composition, the concentration of said cetyl alcohol ranges between about 0.9 and about 1.3 weight percentages of said composition, the concentration of said stearyl alcohol ranges between about 0.4 and about 0.6 weight percentage of said composition, the concentration of said polysorbate 60 ranges between about 0.2 and

about 0.6 weight percentage of said composition and the concentration of said water ranges between about 31 and about 36 weight percentages of said composition and further comprising propylene glycol in a concentration of between about 1 and about 3 weight percentages of said composition, propane/butane/isobutane as a non-CFC propellant in a concentration of between about 4 and about 5 weight percentages of said composition, and lactic acid, whereby the concentration of said lactic acid is sufficient for adjusting the pH of said composition to between about 5.9 and about 6.1.

189. A process of preparing the foamable composition of claim 110, the process comprising:

obtaining said carrier by combining at least one hydrocarbon alcohol, at least one fatty alcohol, at least one surface active agent, and water;

placing said carrier in a pressure-resistant vessel;

placing an amount of at least one non-CFC propellant into said pressure resistant vessel; and

sealing said pressure-resistant vessel.

190. The process of claim 189, further comprising, prior to said placing:

admixing with said carrier at least one humectant.

191. The process of claim 190, wherein said at least one humectant is selected from the group consisting of guanidine, urea, glycolic acid, glycolate salts, ammonium glycolate, quaternary alkyl ammonium glycolate, lactic acid, lactate salts, ammonium lactate, quaternary alkyl ammonium lactate, aloe vera, aloe vera gel, allantoin, urazole, polyhydroxy alcohol, sorbitol, glycerol, hexanetriol, propylene glycol, butylene glycol, hexylene glycol, a hexylene glycol derivative, polyethylene glycol, a sugar, a starch, a sugar derivative, a starch derivative, alkoxylated glucose, hyaluronic acid, lactamide monoethanolamine, acetamide monoethanolamine and any combination thereof.

192. The process of claim 189, wherein said obtaining includes heating a mixture of said at least one hydrocarbon alcohol, said at least one fatty alcohol, said at least one surface active agent and said water, at a temperature of at least 30 °C.

193. The process of claim 189, wherein said obtaining includes heating a mixture of said at least one hydrocarbon alcohol, said at least one fatty alcohol, said at least one surface active agent and said water, at a temperature of at least 40 °C.

194. The process of claim 189, wherein said at least one hydrocarbon alcohol comprises at least one aliphatic alcohol having from 1 to 6 carbon atoms.

195. The process of claim 194, wherein said at least one aliphatic alcohol is selected from the group consisting of methanol, ethanol, n-propanol, isopropanol, n-butanol, sec-butanol, isobutanol and t-butanol and mixtures thereof.

196. The process of claim 189, wherein said at least one fatty alcohol has between 10 and 22 carbon atoms.

197. The process of claim 196, wherein said at least one fatty alcohol is selected from the group consisting of cetyl alcohol, stearyl alcohol, lauryl alcohol, myristyl alcohol, palmityl alcohol and mixtures thereof.

198. The process of claim 189, wherein said at least one surface-active agent is selected from the group consisting of polysorbate 60, ethoxylated sorbitan stearate, ethoxylated sorbitan palmitate, ethoxylated sorbitan oleate, nonyl phenol ethoxylates, fatty alcohol ethoxylates and mixtures thereof.

199. The process of claim 189, wherein said non-CFC propellant is selected from a group of propellants consisting of nitrous oxide, carbon dioxide, nitrogen, propane, iso-butane, n-butane, isopentane, n-pentane, dimethyl ether and mixtures thereof.

200. The process of claim 189, wherein said obtaining comprises:
mixing said water, said at least one fatty alcohol and said at least one surface active agent, so as to obtain a clear aqueous solution; and
adding said at least one hydrocarbon alcohol to said aqueous solution, to thereby obtain said carrier.

201. The process of claim 200, wherein said mixing further includes heating said aqueous solution at a temperature of at least about 40 °C.

202. The process of claim 200, wherein said mixing further includes heating said aqueous solution at a temperature of at least about 60 °C.

203. The process of claim 200, wherein said adding is performed while heating said aqueous solution at a temperature of at least about 30 °C.

204. The process of claim 200, wherein said adding is performed while heating said aqueous solution at a temperature of at least about 39 °C.

205. The process of claim 189, wherein said obtaining comprises:
mixing said hydrocarbon alcohol, said at least one fatty alcohol and said at least one surface active agent, so as to obtain a clear alcoholic solution; and
adding said water to said alcoholic solution, to thereby obtain said carrier.

206. The process of claim 205, wherein said adding is performed while heating said alcoholic solution at a temperature of at least about 30 °C.

207. The process of claim 205, wherein said adding is performed while heating said alcoholic solution at a temperature of at least about 40 °C.